

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
YOU102

In Re Application Of: **Kim, et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/786,379	February 25, 2004		32047	1762	3388

Title: **METHOD OF PROTECTING METALS FROM CORROSION USING THIOL COMPOUNDS**



Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

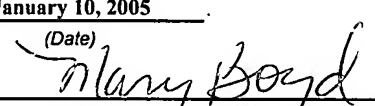
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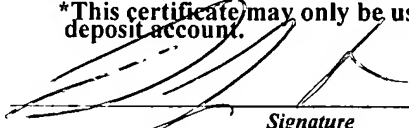
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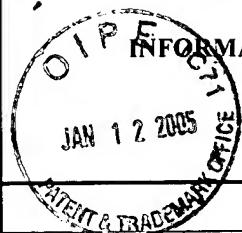
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Grossman, Tucker, Perreault & Pfleger, PLLC

603-668-6560

Dated: **January 10, 2005**

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**INFORMATION DISCLOSURE CITATION**
(Use several sheets if necessary)

Docket Number (optional)

YOU102

Application No.

10/786,379

Applicants(s)

Kim et al.

Filing Date

February 25, 2004

Group Art Unit

1762

U.S. PATENT DOCUMENTS

*Examiner Initial	REF	DOCUMENT NUMBER	DATE	NAME	CLASS/SUBCLASS	FILING DATE IF APPROPRIATE
		5,108,793	04/28/1992	van Ooij et al.	427/327	
		5,200,275	04/06/1993	van Ooij et al.	428/623	
		5,292,549	03/08/1994	van Ooij et al.	427/156	
		5,433,976	07/18/1995	van Ooij et al.	427/327	
		5,487,792	01/30/1996	King et al.	136/256	
		5,750,197	05/12/1998	van Ooij et al.	427/318	
		5,759,629	06/02/1998	van Ooij et al.	427/384	
		6,102,521	08/15/2000	Halko et al.	347/47	
		6,183,815 B1	02/06/2001	Enick et al.	427/400	
		6,461,682 B1	10/08/2002	Crotty et al.	427/387	

FOREIGN PATENT DOCUMENTS

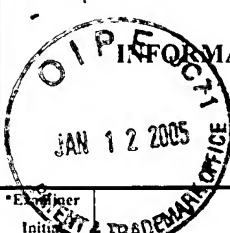
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION	
						YES	NO
		WO 02/072283 A1	09/19/2002	PCT	B05D/3/02		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include Copy of this form with next communication to applicant

		Docket Number (optional) YOU102	Application No. 10/786,379
		Applicants(s) Kim et al.	
		Filing Date February 25, 2004	Group Art Unit 1762
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Azzaroni, O., M. Cipollone, M.E. Vela and R.C. Salvarezza, Protective properties of dodecanthiol layers on copper surface: The effect of chloride anions in aqueous environments, <i>Langmuir</i> , 17 (2001), pp. 1483-1487.	
		Jennings, G.K. and Paul E. Laibinis, Self-assembled monolayers of alkanethiol on copper provide corrosion resistance in aqueous environments, <i>Colloids and Surface A: Physicochemical and Engineering Aspects</i> , 116 (1996), pp. 105-114.	
		Nozawa, K., H. Nishihara and K. Aramaki, Chemical Modification of Alkanethiol Monolayer for Protecting Iron Against Corrosion, <i>Corrosion Science</i> , 39 (1997), pp. 1625-1639.	
		Nozawa, K. and K. Aramaki, One- and two-dimensional polymer films of modified alkanethiol monolayers for preventing iron from corrosion, <i>Corrosion Science</i> , 41 (1999), pp. 57-73.	
		Sherer, J., M.R. Vogt, O.M. Magnussen and R.J. Behm, Corrosion of alkanethiol-covered Cu(100) surfaces in hydrochloric acid solution studied by <i>in-situ</i> scanning tunneling microscopy, <i>Langmuir</i> , 13 (1997), pp. 7045-7051.	
		Taneichi, D., Reiko Haneda and Kunitsugu Aramaki, A novel modification of an alkanethiol self-assembled monolayer with alkylisocyanates to prepare protective films against copper corrosion, <i>Corrosion Science</i> , 43 (2001), pp. 1589-1600.	
		Zamborini, F.P. and R.M. Crooks, Corrosion passivation of gold by n-alkanethiol self-assembled monolayers: Effect of chain length and end group, <i>Langmuir</i> , 14 (1998), pp. 3279-3286.	
		van Ooij, W.J. and T. Child, Protecting Metals with Silane Coupling Agents, <i>Chemtech</i> , 1998, pp. 26-35.	
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